



MIAMIBEACH

| Building Department Inspection Checklist | | Permit No. |
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| Discipline: Fire Inspections by Code | | |
| Dept Code | Description | Code Reference |
| General | Prior to any test or inspection the Inspector must: | |
| 1 | Check for approved plans and permit card on site and ready for review. | City of Miami Beach |
| 2 | Confirm that the contractor has pre-tested systems related to the inspection requested. | City of Miami Beach |
| 3 | If the building is occupied, confirm that all occupants have been notified. | City of Miami Beach |
| 4 | If the test requested will activate the Fire Alarm System, dispatch must be notified. | City of Miami Beach |
| 5 | Ensure that the Contractor or Sub-Contractors performing the test are licensed and authorized to perform the requested test / inspection. | City of Miami Beach |
| 3006 | <u>Smoke Control / Evacuation Systems</u> | |
| 1 | The Fire Inspector along with the City's Mechanical Inspector must be present during the test. | F.B.C. - 909.20.6.3 |
| 2 | Check permit drawings for all required approvals and review the sequence of operations for the Smoke Control System. | F.B.C. - 909.2 NFPA 101 - 9.3.2 |
| 3 | Ensure that all required Building Inspections have been approved and documented. All penetrations must be properly firestopped to prevent migration of smoke. | F.B.C. - 909.5 NFPA 101 - 8.3.5.1 |
| 4 | Prior to testing the Smoke Control System, the Engineer of Record must submit a smoke bomb layout with all the required calculations, along with the testing procedures for the entire Smoke Control System. | F.B.C. - 909.2 NFPA 101 - 9.3.2 |
| 5 | Review the Test and Balance report for compliance with design documents. All deficiencies and modifications identified in the Test and Balance report must be corrected and re-certified by the testing agency, prior to testing the Smoke Control System. | F.B.C. - 909.18.8.3 NFPA 101 - 9.3.3 |
| 6 | Ensure that the appropriate size smoke bombs have been placed as shown in the approved smoke bomb layout. | F.B.C. - 909.2 |
| 7 | Ensure that all doors around the perimeter and inside the smoke zones are in the normal positions prior to setting off the smoke bombs. | F.B.C. - 909.5.2 NFPA 101 - 8.3.4.1 |
| 8 | Check the Smoke Control Panel to ensure that all HOA switches are in the automatic position and the Fire Alarm Panel is clear of any alarms or troubles, before starting the test. | F.B.C. - 909.16.2 |
| 9 | All smoke bombs should be set off simultaneously. This will require several lighters and two way communication for all participants. | F.B.C. - 909.18 |
| 10 | The Mechanical Inspector will time and record the amount of time it takes the Smoke Control System to activate, starting at the first signs of smoke generated by the bombs. | F.B.C. - 909.17 |
| 11 | Ensure that the correct device address and alarm has been received at the Fire alarm Panel. | F.B.C. - 909.12 |
| 12 | Verify that the Smoke Control Panel properly displays the operation of all related dampers, supply fans, exhaust fans and pressurization fans. | F.B.C. - 909.16.1 |
| 13 | Verify that all stairwell doors remain closed while the stairwells are being pressurized. | F.B.C. - 909.20.6.3 |
| 14 | All egress doors must be tested for pull forces to open, before and during the test. 15/30/15 lbf. All pertinent barriers must be checked for pressure differentials according to design specifications. Depending on the design the doors must self latch after opening. | NFPA 101- 7.2.1.4.5 |
| 15 | The Mechanical and Fire Inspectors will confirm the proper operation of all components and functions of the smoke control system, as described in the Sequence of Operations. Including but not limited to: stairwell pressurization, pressure differentials across all barriers, activation of the fire alarm, automatic closing of required doors and dampers, activation of required supply and exhaust fans, check for any migration of smoke and removal of smoke for evacuation systems. | F.B.C. - 909.18 NFPA 90A, 92A, 92B |
| 16 | Check for the proper operation of the Smoke Control System (Containment, migration to unrelated areas) or Smoke Evacuation System (Removal of smoke through proper ducts and final discharge) | F.B.C. - 909.18 NFPA 90A, 92A, 92B |



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| 3015 | <u>Emergency Generator Test</u> | |
| 1 | The Fire inspector along with the City's Mechanical, Electrical and Elevator Inspectors must be present during the test. Two way communication should be available for all participants. | City of Miami Beach |
| 2 | Florida Power and Light (FP & L) must be present to disconnect all power sources to the Building, by phases, by feeders. | City of Miami Beach |
| 3 | All Life Safety equipment shall be turned on under normal power. (Fire pump, Elevators , Exhaust Fans, Supply Fans and Pressurization Fans) | NFPA 110 - 7.13 |
| 4 | Fire inspectors should be posted at the Main Fire Alarm Panel and inside the Fire Pump Room. (The battery back-up for the Fire Alarm Panel should be disconnected to ensure the panel is running off emergency power) | NFPA 72 - 4.4.1.9.3 |
| 5 | Once everyone is in position, FP&L can disconnect normal power to the Building. | NFPA 110 - 6.2.2 |
| 6 | The Emergency Generator must turn on and restore power to all emergency loads within 10 seconds. | NFPA 20 - 10.1.2.7 NFPA 101 - 7.9.1.3 |
| 7 | The Electrical Inspector must ensure that all require power transfers worked properly and all required loads are being fed from the emergency generator. | NFPA 110 - 6 |
| 8 | The Elevator Inspector must ensure that the elevators are working properly under emergency power. | Bill 1774 |
| 9 | The Mechanical Inspector must ensure that all Life Safety fans and equipment are working properly under emergency power. This is to be accomplished in conjunction with the Fire Inspector at the Smoke Control Panel to ensure that all equipment controls and status indicators are working properly under emergency power. | F.B.C. - 909.18 |
| 10 | The Fire Inspectors must confirm the following: Fire Pump re-started within 10 second and is working properly, Fire Alarm panels are working properly off generator power, emergency lights and exit signs are working and providing the required light levels as shown in the approved photometric drawings. | NFPA, FBC |
| 11 | Once all systems are confirmed to be working properly, FP&L can restore normal power to the building. Power should automatically be transferred back to normal (confirmed by Electrical Inspector). After a pre-determined cool down period, the emergency generator should turn off. | NFPA 110 - 6.2.2.1 |
| 3018 | <u>Fire Suppression System</u> | |
| 1 | The Fire Inspector along with the City's Mechanical Inspector must be present during the test. | City of Miami Beach |
| 2 | Ensure that all required building inspections have been completed and recorded. The exhaust duct must be enclosed in a rated chase if it penetrates a fire barrier above on its way to the exhaust outlet. | NFPA 96 - 7.7.1 |
| 3 | Confirm that the Suppression system is identified as UL 300. | NFPA 96 |
| 4 | Check pipe size and nozzle placement / coverage based on approved plans. | NFPA 1 - 50.5.2.2 |
| 5 | Verify that required fusible links have been installed as shown. | NFPA 96 - 5.3.4 |
| 6 | Confirm that a manual pull station for suppression system has been installed next to the exit or in the direct exit routs. | NFPA 1 - 50.4.7.1 |
| 7 | Check installation and placement of visual device as per plans. | NFPA 1 - 50.4.8.1 |
| 8 | Check for non-combustible materials within 18 inches of the hood exhaust system. | NFPA 1 - 50.2.10 |
| 9 | If the building has a Fire Alarm System, confirm interconnection and check for proper device identification. | NFPA 72 - 6.11 NFPA 1 - 50.4.8.2 |
| 10 | Check the installation, size and location of suppression system's storage cylinders. | NFPA 1 - 50.5.2.2 |



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| 3018 | <i>Fire Suppression System (continued)</i> | |
| 11 | When activated, the Fire Suppression System must: a) discharge and fill all balloons at the nozzles, b) shut off gas supply valve, c) de-energize all electrical outlets under the hood, d) activate the visual device in the kitchen and e) the fire alarm system in the building, if present. | NFPA 1 - 50.4.6 , 50.4.5 |
| 12 | The Mechanical Inspector will confirm the proper operation of the supply and exhaust fans under day (fans running) and night (fans off) conditions. | NFPA 96 - 8.2.3 |
| 13 | For Clean Agent Systems, the inspector must review the Mechanical Components (piping, valves, nozzles, supports, storage cylinder, etc). The inspector will then Review the Enclosure Integrity. The currently preferred method is using a blower door fan and smoke pencil. Quantitative results shall be obtained and recorder to indicate that the specified agent concentration for the specified duration of protection is in compliance with Section 5.6. | NFPA 2001 6.7.2.3 |
| 14 | Once the items listed above have been successfully inspected, the Fire Inspector will witness the following Operational Test: 1. Operate detection initiating circuit(s). Verify that all alarm functions occur according to design specifications. 2. Operate the necessary circuit to initiate a second alarm circuit, if present. Verify that all second alarm functions occur according to design specifications. 3. Operate manual release. Verify that manual release functions occur according to design specifications. 4. Operate abort switch, if supplied. Verify that abort functions occur according to design specifications. Confirm visual and audible supervisory signal are received at the control panel. 5. Test all automatic valves unless testing will release agent or damage the valve (destructive testing). 6. Check pneumatic equipment, where required, for integrity to ensure proper operation. After completion, the system shall be returned to the fully operational design condition. | NFPA 2001 6.7 |
| 3028 | <i>Fire Alarm Acceptance Test</i> | |
| 1 | Verify that the approved plans match the job site. | City of Miami Beach |
| 2 | Ensure that the electrical rough has been approved. | City of Miami Beach |
| 3 | Ensure that all fire alarm technicians have a valid FASA card. | NFPA 72 - 10.2.2.5 |
| 4 | If all the above has been done and the Contractor has the required NFPA 72 System Certification papers filled out, then the testing of the Fire Alarm System can commence. | NFPA 72 |
| 5 | Disconnect FACP battery and check for trouble signal. | NFPA 72 Sect. 10.4.2 |
| 6 | Disconnect breaker to FACP and check for power fail. | NFPA 72 Sect. 10.4.2 |
| 7 | Check monitoring of the alarm system (call dispatch so when the alarm is activated they will call to verify that the alarm has been received) where applicable. Check both lines. | NFPA 72 |
| 8 | Verify that all fire alarm devices are installed per NFPA 72. | NFPA 72 Sect. 4.3.2 |
| 9 | Where applicable, all power operated doors are tied into the F.A. System and are fail-safe. | NFPA 72 Sect. 6.15.7 |
| 10 | Ensure all Fire Alarm devices are listed for the system; and test alarm signal | NFPA 72 |
| 11 | Verify that audibility devices are clearly heard above background noise levels. | NFPA 72 Sect. 7.4.2 |
| 12 | Confirm that alert tone can be clearly heard on all balconies. | NFPA 72, CMB |
| 13 | Check F.A. devices for ground faults & troubles. | NFPA 72 Sect. 4.4.4 |
| 14 | Verify that the F.A signals within 90 seconds after flow switch is activated. | NFPA 72 |
| 15 | If applicable, verify survivability of the system. | NFPA 72 Sect. 6.9.4 |
| 16 | Check power booster panels for supervisory conditions. | NFPA 72 |
| 17 | Verify proper strobe coverage and proper candela rating, as per NFPA 72. | NFPA 72 Sect. 7.4.11 |
| 18 | Verify automatic music shut-off upon F.A. activation, where applicable. | NFPA 72 |



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| 3028 | <u>Fire Alarm Acceptance Test (continued)</u> | |
| 19 | Verify that a smoke detector is located above the FACP , sub-panels & power boosters. | NFPA 72 Sect. 4.4.5 |
| 20 | Verify all required fire/smoke dampers are tied to the F.A. system. | NFPA 72 Sect. 6.15.5 |
| 21 | Verify all smoke control fans along with their disconnects are tied to the F.A. System. | NFPA 72 Sect. 6.15.5 |
| 22 | Ensure that the F.A. system is zoned properly for Selective Evacuation. The FA Zones Must be coordinated with smoke and sprinkler zones, by floor and then by smoke zone where applicable. | NFPA 72 Sect. 4.4.6 |
| 23 | Check all Control Valves; Backflow, PIV & Fire Pump tampers for trouble or supervisory. | NFPA 72 |
| 24 | Where applicable, check the Fire Pump controller (fail, run, phase-reversal). | NFPA 72 |
| 25 | Where applicable, verify that emergency generator battery connections send a trouble signal when disconnected. | NFPA 72 Sect. 4.4.7 |
| 26 | Confirm that system smoke detectors are a min 36 inches from a/c supply grilles. | NFPA 72 Sect. 11.8.3.5 |
| 27 | Check smoke detectors on beams, where the beam projects more than 18" below the ceiling and more 8' on center, each bay formed by the beams shall be treated as a separate area. | NFPA 72 Sect. 5.6.5 |
| 28 | Verify that Visible Notification has been provided in all areas subject to occupancy by persons who are hearing impaired. | NFPA 101 9.6.3 |
| 29 | Where applicable, all elevator lobbies, cabs and exit stairs shall be provided with fire fighters phone jacks. Confirm installation and placement. | NFPA 72 Sect. 6.9.9 |
| 30 | Where applicable, verify that all ADA strobes have the proper candela rating as per NFPA 72 and are tied to the F.A. system. | ADA |
| 3030 | <u>Single Station Smoke Detectors</u> | |
| 1 | Verify that the require electrical inspections have been approved and documented. | City of Miami Beach |
| 2 | Check for interconnection of all smoke detectors within the unit. If the unit is connected to an adjacent unit all detectors in both units must be interconnected. | NFPA 101 - 9.6.2.10.3 |
| 3 | Verify that all smoke detectors are mounted on the ceiling or on the wall within 4-12 inches from the ceiling. | NFPA 72 Sect. 11.8 |
| 4 | Verify that all detectors are at least 36 inches away from all air diffusers. | NFPA 72 Sect. 11.8.3.5 |
| 5 | Test all detector via the test button to confirm proper operation and interconnections. | NFPA 101 - 9.6.2.10.3 |
| 6 | If the room is a designated ADA Room, check for visual notification for single-station smoke detectors. | ADA |
| 3033 | <u>Emergency Lights (Battery Back-Up)</u> | |
| 1 | Verify that the required electrical inspections have been approved and documented. | City of Miami Beach |
| 2 | Check location and coverage per approved plans. | NFPA 101 - 7.9 |
| 3 | Confirm that the illumination levels provided meet the requirements as shown in the approved photometric drawings. (Minimum 1 foot candle avg. along entire means of egress) | NFPA 101 - 7.9.2.1 |
| 4 | If the building has an emergency generator, check for proper operation of battery back-up lights under normal power, during power transfer and under generator power. | NFPA 101 - 7.9.2.3 |
| 5 | Check for photocells or timers which could impact the operation of the emergency lights. | NFPA 101 - 7.9.2.5 |



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| 3036 | <u>Fire Pump Acceptance Test</u> | |
| 1 | The fire inspector must first verify that the electrical connections to the fire pump and controller have been inspected and approved by the City's Electrical Inspector. The approval may be on the master permit card or the sprinkler card, check both. | CMB |
| 2 | Conduct 500 gpm to 1250 gpm flow test and 100 psi at roof level, verify fire pump requirements with approved signed & sealed plans. Note: This is part of the standpipe system test but normally done with the fire pump test. | NFPA 20 |
| 3 | To perform fire pump test refer to fire pump test form. | NFPA 20 |
| 4 | Verify that when the fire pump test is being performed, the suction side of pump does not fall below 20psi. | NFPA 20 Sect. 5.12 |
| 5 | Verify floor that the drains in pump room have proper slope. | NFPA 20 Sect. 5.12 |
| 6 | Verify flood criteria for fire pump location. | NFPA 20 |
| 7 | Check piping connections to fire pump. | NFPA 20 |
| 8 | Ensure that fire pump start up test is conducted and passes before field acceptance of fire pump is done. | NFPA 20 Sect. 5.12 |
| 9 | Fire pump needs to be inside its own area, not shared with the domestic pump. The room must be properly rated and protected by fire sprinklers. | NFPA 20 |
| 10 | Verify with plans for requirement of jockey pump and set to proper psi | NFPA 20 |
| 11 | Verify fire pump tied to the F.A. system | NFPA 20 |
| 12 | Check clearances around controller see NFPA 70 | NFPA 70 |
| 13 | All controllers shall be marked "electric fire pump controller" and shall show plainly the name of the manufacturer, identifying designation, rated operating pressure, enclosure type designation, and complete electrical rating | NFPA 20 Sect. 10.1.2 |
| 14 | Verify that there are no conduits or piping (that does not serve the pump) running through the Fire Pump Room. | NFPA 20 |
| 15 | Ensure that the fire pump wires are enclosed in proper conduit. | NFPA 20 |
| 16 | Verify that the Fire pump timer shall be set minimum 10 min run time. | NFPA 20 |
| 17 | Confirm that the Fire Pump does not shut down under flow demand. | NFPA 20 |
| 18 | Check listed check valves at each fire department connection. | NFPA 20 |
| 19 | Confirm that there are no shutoff valve in the fire department connection piping. | NFPA 20 |
| 20 | Verify that the header is accessible and each connection is usable. Confirm that the correct number of outlets have been provided (1 for every 250 gpm). | NFPA 20 |
| | | |
| 3038 | <u>Sprinkler/Standpipe Final</u> | |
| 1 | Check bathroom sizes, Bathrooms <55sq. ft. do not require sprinkler NFPA 13 8.14.8.1.1 (Showers are included to be included when calculating area) | NFPA 13 Sect. 8.14.8 |
| 2 | Check ceiling pockets NFPA 13, 8.8.7 except when ALL are met. >1,000sq. ft., depth of pocket does not exceed 36", entire floor below pocket is sprinklered and separation of 10' min. | NFPA 13 Sect. 8.8.7 |
| 3 | Ensure that all closets in Hotel and Apartment Occupancies larger than 12 sq feet when new and 24 sq feet if existing are provided with sprinkler coverage. This exception only applies to closets within living units, all others require sprinklers. Closets that contain equipment such as washers, dryers, heaters and water heaters shall be sprinklered regardless of size. Note: NFPA 13R systems have different exceptions. | NFPA 13 NFPA 101 - 30 & 31 |
| 4 | Ensure that sprinkler system design criteria is posted in fire pump room or riser. | NFPA 13 |
| 5 | Verify that there are spare sprinklers along with a copy of NFPA 25. | NFPA 13 Sect. 6.2.9 |
| 6 | Verify that sprinkler system is being monitored. | NFPA 13, 72, 101 |
| 7 | Verify control valve signage is installed/posted. | NFPA 13 Sect. 8.15.1 |
| 8 | Ensure that all possible sprinkler obstructions have been addressed as per NFPA 13. | NFPA 13 Sect. 8.5.5 |
| 9 | Verify if the cooling towers on roof are sprinklered. | NFPA 13 Sect. 21.1.7 |
| 10 | Verify that a water tank is being monitored, water level, etc. | NFPA 13 Sect. 8.15 |
| | | |



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| 3038 | <u>Sprinkler/Standpipe Final (continued)</u> | |
| 11 | Verify that tamper resistant screws have been provided for sprinkler system devices. | NFPA 13 |
| 12 | Verify that no escutcheon plates or cover plates have been painted. | NFPA 13 Sect. 6.2.7 |
| 13 | Verify that sprinkler guards where required have been installed. | NFPA 13 Sect. 6.2.8 |
| 14 | For concealed heads, verify deflector location after it drops in relation to finished ceiling. | NFPA 13 |
| 15 | Verify that there are 2-1/2" to 1-1/2" reducer with cap and chain, at hose stations. | NFPA 14 Sect. 7.3.4 |
| 16 | Confirm that Standpipes are clearly marked and labeled; including signage for low zones, high zones. | NFPA 14 |
| 17 | Verify that all standpipe risers are clearly marked & zoned properly. | NFPA 14 |
| 18 | Confirm that all pressure gauges are calibrated & certified. | NFPA 14 |
| 19 | Check location of FDC's. To be within 100' of a fire hydrant. | NFPA 14 Sect. 6.3.5 |
| 20 | Confirm that fire pump manufacturer has presented certifications and pump curve. | NFPA 20 Sect. 5.2 |
| 21 | Check that sprinkler head have been installed at top & bottom of all staircases. | NFPA 13 |
| 3040 | <u>PRV Test</u> | |
| 1 | The contractor must first present you the field test results of all PRV valves installed. The results should be in a table format showing the following for each PRV: a) Floor # & Location, b) Riser Static Pressure, c) 2 1/2" PRV Static Pressure, d) Riser Residual Pressure, e) 2 1/2" PRV Residual Pressure & f) 2 1/2" PRV gpm | City of Miami Beach |
| 2 | Ensure that residual pressure does not fall below 110psi nor exceed 175psi. | NFPA 14 |
| 3 | Verify that 3 - inch drain is provided and accessible for testing. | NFPA 14 |
| 3060 | <u>Underground Flush</u> | NFPA 13 Sect. 10.10.2 |
| 1 | Ensure that all underground piping, from the water supply to the system riser, and lead in connections to the system are completely flushed before connections are made to down stream fire protection system piping. | NFPA 13 Sect. 10.10.2 |
| 2 | Verify that the flushing operation is continued for a sufficient time to ensure thorough cleaning, at the maximum flow rate available under fire conditions. | |
| 3070 | <u>Underground Inspection/Test</u> | NFPA 13 Sect. 10.1.4 |
| 1 | Ensure that all underground piping is correct for system installed. | NFPA 13 Sect. 10.6.1 |
| 2 | Confirm that sprinkler piping does not run under building. | NFPA 13 Sect. 10.8.2 |
| 3 | Ensure thrust blocks or mega lugs are installed to restrain underground piping. | NFPA 13 Sect. 10.8.3 |
| 4 | Ensure that all underground restraints (rods, clamps, etc) are made from corrosion resistant material. | NFPA 13 Sect. 10.9.2 |
| 5 | Ensure that trench is free of rocks, cinders, trash, etc. | NFPA 13 Sect. 10.10.2 |
| 6 | Confirm no loss of pressure for a period of 2 hours during Hydrostatic test (200 lb). | NFPA 13 Sect. 10.4.3 |
| 7 | Verify that the depth & cover of underground sprinkler main is not less than 2-1/2'. | |
| 3075 | <u>Sprinkler Rough/Pressure Test</u> | NFPA 13 |
| 1 | Ensure that plans match job conditions. | NFPA 13 Sect. 14.5.3 |
| 2 | Ensure proper sprinkler coverage along with pipe sizes for designed area. | NFPA 13 Sect. 8.15 |
| 3 | Verify hazardous areas for proper sprinkler coverage. | NFPA 13 - 10.10.2.3 |
| 4 | The inspector shall perform the pressure test of all associated sprinkler piping as follows: 1. Have the contractor close isolation valve at gauge and zero out the gauge (ensure that gauge reads zero). 2. Have the Contractor re-open the valve and confirm a minimum of 200 lbs in the system/ area to be tested. 3. Document the pressure and return in 2 hours for the second reading. 4. Re-check the gauge to ensure the system has maintained pressure with NO loss in pressure. | NFPA 13 Sect. 8.4.1 |
| 5 | Verify occupancy type for quick response heads. | NFPA 13 Sect. 9.2.2 |



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| 3075 | <i>Sprinkler Rough/Pressure Test (continued)</i> | NFPA 13 Sect. 9.2.4 |
| 6 | Ensure maximum distance between hangers. | NFPA 13 Sect. 9.2.3 |
| 7 | Verify location of hangers on branch lines. | NFPA 13 Sect. 9.2.3 |
| 8 | Verify minimum number of hangers as per NFPA 13. | NFPA 13 Sect. 9.2.3 |
| 9 | Ensure clearance of hangers are met. | |
| 10 | Ensure proper location of hangers on mains. | NFPA 13 Sect. 9.2.5 |
| 11 | Ensure proper support of risers. | NFPA 13 Sect. 9.3.4 |
| 12 | Ensure proper clearance from any obstructions. | NFPA 13 |
| 13 | For concealed heads, verify deflector location after it drops in relation to finished ceiling. | NFPA 13 Sect. 9.2.2 |
| 14 | Verify steel pipe hanger spacing is not greater than 12' for 1" to 1.25" pipe diameter, not greater than 15' for 1.5" to 8" pipe diameter, Table 9.2.2.1. For copper and plastic see table 9.2.2.1 and listing information. | NFPA 13 Sect. 8.7.3 |
| 15 | Ensure minimum distances for sprinklers (upright & pendent) as per NFPA 13 | |
| 16 | Verify maximum heads on a size pipe | NFPA 13 Sect. 9.2.2 |
| 17 | Verify that light wall steel pipe hanger spacing is not greater than 12' for 1" to 3" pipe. | |
| 18 | Confirm that branch lines have one hanger per section of pipe. | |
| 19 | Confirm that cross mains have one hanger between each branch line (s), and that arm overs have proper hangers. | NFPA 13 Sect. 9.2.5 |
| 20 | Ensure that risers have a distance between supports of not greater than 25'. | NFPA 13 Sect. 9.1.1 |
| 21 | Check installation of trapeze hangers, verify locations as shown, legend provided to specify span, size of pipe supported, angle and pipe used, and section modulus,9.1.1.6.1 | NFPA 13 Sect. 6.2.2 |
| 22 | Ensure that all sprinklers shall have corrosion proof heads when exposed to the outside | NFPA 1 Sect. 18.3.4 |
| 23 | Ensure that the fire department connection has a clearance on both sides of 7.5 feet. | NFPA 14 Sect. 6.3.6 |
| 24 | Ensure that the FDC is at a height between 18"- 48" a.f.f. and installed to allow hose | NFPA 14 Sect. 6.3.5 |
| 25 | Ensure that the FDC is properly labeled for use; Letters = 1". | NFPA 14 - NFPA 101 |
| 26 | Confirm that Buildings 4 stories or more in height shall be provided with not less than 1 | NFPA 14 Sect. 14.1.1 |
| 27 | All Standpipe Class I, II, III system shall be verified with approved signed & sealed plans | NFPA 14 Sect. 7.6.3 |
| 28 | Confirm that all Standpipes are a minimum 4" as per NFPA 14. | NFPA 14 Sect. 7.3.1 |
| 29 | Ensure that all standpipes hose connections are installed 3 to 5 ft. from finished floor. | NFPA 14 Sect. 7.5 |
| 30 | Verify interconnection of standpipes | NFPA 14 Sect. 7.12.1 |
| 31 | Verify 3" drain on standpipe, if PRVs installed | NFPA 14 Sect. 7.8.3.2 |
| 32 | Confirm that all FDC's are installed 1-1/2" away from wall. | NFPA 14 Sect. 6.4.1 |
| 33 | Verify that all standpipes are securely fastened as per NFPA 14. | NFPA 14 Sect. 7.3.2 |
| 34 | Verify for Class I systems(2-1/2") located in stairway enclosure. | NFPA 14 Sect. 7.3.3 |
| 35 | Verify for Class II systems(1-1/2") located in corridor or space next to the stair. | NFPA 14 Sect. 6.1.2.2 |
| 36 | Verify for Class III systems located in stair enclosure. | NFPA 13 Sect. 8.4.2 |
| 37 | Check - Sidewall sprinklers shall be provided for "flat" type ceilings only; Light & Ordinary hazard. | |
| 38 | Check sprinkler coverage for ceiling pockets (1000 cu. ft , depth). | NFPA 13 Sect. 8.5.5 |
| 39 | Confirm that sprinklers are installed under ducts 4ft. or wider. | NFPA 13 |
| 40 | Confirm that all sprinklers within a compartment are the same type and rating. | NFPA 13 Sect. 8.14.7 |
| 41 | Verify that when installed canopies 4ft. or deeper, on bldg that is sprinklered, then it must be sprinklered along with its flame certificate. | NFPA 13 Sect. 8.6.3 |



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| 3075 | <i>Sprinkler Rough/Pressure Test (continued)</i> | NFPA 13 Sect. 8.14.12 |
| 42 | Verify that sprinklers heads are a minimum of 4" from wall. | |
| 43 | Check sprinklers only above ceiling when 70% or more open (this means no heads under ceiling). | NFPA 13 Sect. 8.14.5 |
| 44 | When applicable verify sprinkler heads in elevator shaft & machinery room | NFPA 13 |
| 45 | Verify sprinklers under soffits deeper than 8". | |
| 46 | Review specs on sprinkler head installed over 4". | NFPA 13 Sect. 8.5.7 |
| 47 | Check for sprinklers required in skylights when >32sq.ft. and when multiple skylights <10ft. from one another | NFPA 13 , NFPA 101 |
| 48 | Check sprinklers installed in closets (new const.) >=12sq.ft. , >=24sq. ft. (existing const). | NFPA 13 |
| 49 | Check sprinklers installed in all a/c, washer/dryer closets regardless of size. | NFPA 101 |
| 50 | Where applicable, if bldg has ELSS, and approved by FM, then ensure all items within report are done. | NFPA 14 Sect. 7.13.1 |
| 51 | Confirm that all high rise bldgs, have 2 remote FDCs. | City of Miami Beach |
| 52 | Verify that enclosed terraces on 3 sides, >8' deep and 150sq.ft are sprinklered. | |
| 3090 | <i>Fire: Other Inspection</i> | |
| 1 | Courtesy inspection | |
| 3099 | <i>Building Inspections</i> | NFPA 101 chapter 7 |
| 1 | Verify all exit signs are working and their placement provides proper visibility. | NFPA 101 chapter 8 |
| 2 | Verify corridor rating, are there any penetrations, if so, is the material used to seal the same rating and listed. | NFPA 101 chapter 8 |
| 3 | Check rated doors for closing and latching along with the ratings, i.e. hardware, jamb, etc. | NFPA 101 chapter 8 |
| 4 | Verify that all rated partitions being penetrated are supplied with fire/smoke dampers, as required. | NFPA 101 chapter 7 |
| 5 | Verify that all emergency lights are working and providing the required 1 ft candle avg. | City of Miami Beach |
| 6 | Check status on all permits that they are finalized. | NFPA 101 chapter 10 |
| 7 | Check flame spread for all interior finishes. Check for Certification and perform | NFPA 101 chapter 7 |
| 8 | Check handrail, guards and uniformity of steps. No more than 3/16 " variation. | NFPA 101 chapter 7 |
| 9 | Ensure all exit access, exit and exit discharge are not being compromised and in compliance along with required hardware. | NFPA 10 |
| 10 | Verify location and type of fire extinguishers provided. | NFPA 101 chapter 7 |
| 11 | Verify that all ceiling heights and headroom (exit stairs) comply with approved signed & sealed plans. | NFPA 101 chapter 7 |
| 12 | Ensure common path, travel distance comply with NFPA 101 chap 7. | NFPA 101 chapter 7 |
| 13 | Confirm that all Stairs with 3 steps or less have 13" treads and stripped nosing. Note: Changes in elevation equal to or less than 12 inches must be via a ramp. | NFPA 101 chapter 7 |
| 14 | Verify that roof access stairs comply with handrail requirements. | NFPA 101 chapter 7 |
| 15 | Check Handrails 34" to 36" with 12" extensions (return to wall or onto itself). | NFPA 101 chapter 7 |
| 16 | Check Guardrails 42" max, must reject 4"and 6" spheres, | NFPA 101 chapter 7 |
| 17 | Check Handrail distance from wall 1-1/2" handrail circular cross section or comply with NFPA 101 chap 7. | NFPA 101 chapter 7 |
| 18 | Check panic hardware and fire exit hardware on all egress doors. | |



MIAMIBEACH

Building Department Inspection Checklist Discipline: Fire Inspections by Code

Permit No.

| Dept Code | Description | Code Reference |
|-------------|---|--------------------------|
| 3099 | <i>Building Inspections (continued)</i> | NFPA 101 chapter 7 |
| 20 | Verify that Unit doors are 20 min fire rated w/labels and closer. Existing 1-3/4" solid core doors can remain. | NFPA 101 chapter 7 |
| 21 | Exit enclosures - Check 1-hr rated walls: up to 3 floors with "b" label 1 hour doors w/closer. | NFPA 101 chapter 7 |
| 22 | Exit enclosures - Check 2-hr rated walls : from 4 floors and up with "b" label 90 min w/closer. | NFPA 101 chapter 9 |
| 23 | Check all fire rated doors, must self close & latch @ 45 degrees. | NFPA 101 chapter 9 |
| 24 | Confirm that trash chute door shall close & latches and has proper label. | NFPA 101 chapter 8 |
| 25 | Verify that smoke proof corridor doors are smoke tight. (only) | NFPA 101 chapter 8 |
| 26 | Confirm that all fire rated walls have proper fire stopping at all penetrations. | NFPA 101 chapter 8 |
| 27 | Confirm 4-hr fire division, where required. | NFPA 101 chapter 8 |
| 28 | Check fire rated ceiling box around light fixtures in rated ceilings. | NFPA 101 chapter 7 |
| 29 | Verify that there are no key, butterfly locks at doors in means of egress. | NFPA 101 chapter 7 |
| 30 | Confirm that all power operated door lock are fail safe. | NFPA 101 chapter 7 |
| 31 | Confirm that Horizontal slider doors (where permitted) shall have breakaway feature. | NFPA 101 chapter 7 |
| 32 | Check force to release latch: 15lbf, to set door in motion: 30lbf. | NFPA 101 chapter 7 |
| 33 | Confirm that all Exit signs are 6'-8" or higher but not more than 80" above egress door. | NFPA 101 chapter 7 |
| 34 | Confirm that Exit access through roof has protective guards at 42" all the way to the exit. | NFPA 101 chapter 7 |
| 35 | Verify that all Exit stairs have a minimum headroom of 6'-8" | NFPA 101 chapter 7 |
| 36 | Confirm that doors from mechanical rooms and other non-occupied rooms do not open directly into exit enclosures. | NFPA 101 |
| 37 | Verify that the clear opening of the escape windows measure a min. of 20"x24", 5.7sq. ft. | NFPA 101 chapter 7 |
| 38 | Check that all egress doors have level floors on both sides, for a minimum of door leaf | NFPA 101 chapter 7 |
| 39 | Ensure that Means of Egress is not through kitchens or other hazardous areas. | NFPA 101 chapter 7 |
| 40 | Verify that all exits are clearly marked. | NFPA 101 chapter 30 / 31 |
| 41 | Confirm that apartment doors in stairwells have the same rating as the stairwell. | NFPA 101 chapter 10 |
| 42 | Confirm that stairwell interior finishes are Class A or B only. | NFPA 101 chapter 8 |
| 43 | Confirm that stairwells are free of any wiring, conduits or other than those related to that stairwell. | NFPA 101 chapter 7 |
| 44 | Ensure that all changes in elevations along a means of egress are provided with the required handrails. | NFPA 101 chapter 7 |
| 45 | Verify that all egress paths are a minimum 44 inches wide for more than 50 occupants and 36 inches wide for less than 50 occupants. | NFPA 101 chapter 7 |
| 46 | Verify that doors swinging into an egress path do not restrict more than 1/2 of the required width. Final door position to be equal or less than 7 inches into clear width. | NFPA 101 chapter 7 |
| 47 | Confirm that there are no hangings or draperies placed over exit doors or located so that they obstruct or conceal an exit. | |

IMPORTANT NOTES

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| NOTE 1: | THIS CHECK LIST IS NOT INTENDED TO BE ALL INCLUSIVE, RATHER AS A TOOL TO BE USED BY THE FIRE INSPECTORS DURING FIELD INSPECTIONS. ARCHITECTS/DESIGNERS MUST DESIGN AND CONTRACTORS MUST BUILD TO THE ADOPTED CODE AND STANDARDS, AND NOT TO THIS CHECK LIST. | |
| NOTE 2: | ADDITIONAL ITEMS CAN BE ADDED TO THE CHECKLIST FROM TIME TO TIME. UPDATED CHECKLIST WILL BE POSTED ON THE WEBSITE | |